

From n7rk at cox.net Sat Dec 1 15:50:07 2012  
From: n7rk at cox.net (David Hollander)  
Date: Sat, 01 Dec 2012 13:50:07 -0700  
Subject: [BoatAnchors] Lysco Transmaster 600 Transmitter  
Message-ID: <50BA6D7F.5060200@cox.net>

Lysco Transmaster 600 Transmitter with Manual - \$350 plus shipping

Rare Lysco Transmaster 600 Transmitter. These do not show up very often. This is a 160-10 meter CW transmitter that was made from 1951-1953. This is a 7 tube transmitter that uses an 807 for the final Input power is 35 watts. The transmitter has a built-in VFO and can also be crystal controlled.

This would look good sitting next to an early 50's Hallicrafters, National, RME or Hammarlund receiver.

The unit is in in very nice shape cosmetically. I had it on the bench and it put outs around 15 watts on CW on all bands. The unit has no dents or dings. Includes a photocopy of the manual.

Pictures:

<http://n7rk.com/radiostuff9/lyscoxmtr.jpg>  
<http://n7rk.com/radiostuff9/lyscoxmtr2.jpg>  
<http://n7rk.com/radiostuff9/lyscoxmtr3.jpg>  
<http://n7rk.com/radiostuff9/lyscoxmtr4.jpg>  
<http://n7rk.com/radiostuff9/lyscoxmtr5.jpg>  
<http://n7rk.com/radiostuff9/lyscoxmtr6.jpg>  
<http://n7rk.com/radiostuff9/lyscoxmtr7.jpg>  
<http://n7rk.com/radiostuff9/lyscoxmtr8.jpg>

Tnx for looking

and 73,

Dave N7RK

From WA5CAB at cs.com Sat Dec 1 23:33:10 2012  
From: WA5CAB at cs.com (WA5CAB at cs.com)  
Date: Sat, 1 Dec 2012 23:33:10 -0500 (EST)  
Subject: [BoatAnchors] FS: NAVAER 16-30ARR11-501 Reprint  
Message-ID: <1a8b.4684291f.3dec3406@cs.com>

Groups,

I appreciate the two or three kind comments about my manuals that have been made in the recent thread on preserving our old manuals. But it's only a coincidence that I happened to finish this one at this time. I've had it for years but only started on it recently after receiving a couple of requests.

Turns out that it could be a handy addition to the WW-II vintage BC-348 maintenance manuals on the various models, which don't actually deal with specific tune up instructions. Apparently you were expected to know how to do that without instructions.

AN 16-30ARR-11-501 reprint, \$14.00 plus \$3.00 postage CONUS, APO/FPO, AK, HI and territories. This is a slight enhancement of the original, in that it only had schematics of the HKLR and the JN (which was mislabeled as JNQ). I added schematics of the EMP, OS and Q.

Per my SOP. this will be the only post on the subject.

Robert Downs - Houston  
wa5cab dot com (Web Store)  
MVPA 9480

From arc5 at ix.netcom.com Sun Dec 2 17:57:59 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sun, 2 Dec 2012 16:57:59 -0600  
Subject: [BoatAnchors] One UGLY Radio  
Message-ID: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>

I think I can safely say...  
This is the ugliest commercial radio I've ever seen, period.

[www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)

From rbsingl at ilstu.edu Sun Dec 2 18:01:18 2012  
From: rbsingl at ilstu.edu (Singley, Rodger)  
Date: Sun, 2 Dec 2012 23:01:18 +0000  
Subject: [BoatAnchors] One UGLY Radio  
In-Reply-To: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>  
References: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>  
Message-ID: <0DEBF1C8D8437248BE53CD4213B89BD318E20413@ISUEMBX02.ad.ilstu.edu>

Too bad there isn't an under chassis view. I am curious what is under there to require such a deep chassis.

Rodger WQ9E

Dr. Rodger B. Singley

Professor of Marketing

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of David Stinson

Sent: Sunday, December 02, 2012 4:58 PM

To: boatanchors at mailman.qth.net; boatanchors at theporch.com

Subject: [BoatAnchors] One UGLY Radio

I think I can safely say...

This is the ugliest commercial radio I've ever seen, period.

[www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)

-----  
BoatAnchors mailing list

BoatAnchors at theporch.com

<https://minime.theporch.com/mailman/listinfo/boatanchors>

From gsantacana at gmail.com Sun Dec 2 18:09:06 2012

From: gsantacana at gmail.com (Guido Santacana)

Date: Sun, 2 Dec 2012 18:09:06 -0500

Subject: [BoatAnchors] One UGLY Radio

In-Reply-To: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>

References: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>

Message-ID: <CA01yix37arN4mcyCSAvM+idfw5\_VE0Z+FoPVX68vT2w0v0HeLQ@mail.gmail.com>

But it is kind of interesting even when I also agree that it is as ugly as they could make it. :).

73s

Guido KP4FAR

On Sunday, December 2, 2012, David Stinson <arc5 at ix.netcom.com> wrote:

> I think I can safely say...

> This is the ugliest commercial radio I've ever seen, period.

>

> [www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

From w5sum at comcast.net Sun Dec 2 18:12:03 2012  
From: w5sum at comcast.net (Ronnie Hull)  
Date: Sun, 2 Dec 2012 17:12:03 -0600  
Subject: [BoatAnchors] [Boatanchors] One UGLY Radio  
References: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>  
Message-ID: <8C6E909765A04633A00B74D40D9BF957@hppavilion>

whats with the negative waves man? this is a bootiful radio!

----- Original Message -----

From: "David Stinson" <arc5 at ix.netcom.com>  
To: <boatanchors at mailman.qth.net>; <boatanchors at theporch.com>  
Sent: Sunday, December 02, 2012 4:57 PM  
Subject: [Boatanchors] One UGLY Radio

>I think I can safely say...  
> This is the ugliest commercial radio I've ever seen, period.  
>  
> [www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)  
> -----  
> Boatanchors mailing list  
> Home: <http://mailman.qth.net/mailman/listinfo/boatanchors>  
> Help: <http://mailman.qth.net/mmfaq.htm>  
> Post: <mailto:Boatanchors at mailman.qth.net>  
>  
> List Administrator: Duane Fischer, W8DBF  
> \*\* For Assistance: [dfischer at usol.com](mailto:dfischer at usol.com) \*\*  
>  
>  
> This list hosted by: <http://www.qsl.net>  
> Please help support this email list: <http://www.qsl.net/donate.html>

From oldradio at comcast.net Sun Dec 2 18:21:02 2012  
From: oldradio at comcast.net (oldradio at comcast.net)  
Date: Sun, 2 Dec 2012 23:21:02 +0000 (UTC)  
Subject: [BoatAnchors] [Boatanchors] One UGLY Radio  
In-Reply-To: <8C6E909765A04633A00B74D40D9BF957@hppavilion>  
Message-ID:  
<1794419069.186711.1354490462286.JavaMail.root@sz0213a.westchester.pa.mail.comcast.net>

If it were closer, I'd bid on it - up to \$75 or so.

The bottom plate with the caution label makes me think it is not a home brew.  
Name in front panel says "Hoseman & Sons" ?? Looks hand stamped. The receive-Send switch looks well used.

73, John Dilks, K2TQN

-.-

----- Original Message -----

From: "Ronnie Hull" <w5sum at comcast.net>  
To: "David Stinson" <arc5 at ix.netcom.com>, boatanchors at mailman.qth.net,  
boatanchors at theporch.com  
Sent: Sunday, December 2, 2012 6:12:03 PM  
Subject: Re: [Boatanchors] One UGLY Radio

whats with the negative waves man? this is a bootiful radio!

----- Original Message -----

From: "David Stinson" <arc5 at ix.netcom.com>  
To: <boatanchors at mailman.qth.net>; <boatanchors at theporch.com>  
Sent: Sunday, December 02, 2012 4:57 PM  
Subject: [Boatanchors] One UGLY Radio

>I think I can safely say...

> This is the ugliest commercial radio I've ever seen, period.

>

> [www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)

>

> -----  
> Boatanchors mailing list  
> Home: <http://mailman.qth.net/mailman/listinfo/boatanchors>  
> Help: <http://mailman.qth.net/mmfaq.htm>  
> Post: <mailto:Boatanchors at mailman.qth.net>

>

> List Administrator: Duane Fischer, W8DBF  
> \*\* For Assistance: [dfischer at usol.com](mailto:dfischer at usol.com) \*\*

>

>

> This list hosted by: <http://www.qsl.net>  
> Please help support this email list: <http://www.qsl.net/donate.html>

-----  
Boatanchors mailing list  
Home: <http://mailman.qth.net/mailman/listinfo/boatanchors>  
Help: <http://mailman.qth.net/mmfaq.htm>  
Post: <mailto:Boatanchors at mailman.qth.net>

List Administrator: Duane Fischer, W8DBF  
\*\* For Assistance: [dfischer at usol.com](mailto:dfischer at usol.com) \*\*

This list hosted by: <http://www.qsl.net>  
Please help support this email list: <http://www.qsl.net/donate.html>

From jcoward5452 at aol.com Sun Dec 2 18:31:24 2012  
From: jcoward5452 at aol.com (Jay Coward)  
Date: Sun, 2 Dec 2012 18:31:24 -0500 (EST)  
Subject: [BoatAnchors] [Boatanchors] One UGLY Radio  
In-Reply-To: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>  
References: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>  
Message-ID: <8CF9EFC46D1B7D1-29CC-43835@webmail-m169.sysops.aol.com>

Well, somebody went to some lengths to build it, and, if it works, well, it's a Radio!

The "Elephant Man" was extremely misconfigured, but still a Man and from what I've read, quite a compassionate human being.

Jay

-----Original Message-----

From: David Stinson <arc5 at ix.netcom.com>  
To: boatanchors <boatanchors at mailman.qth.net>; boatanchors <boatanchors at theporch.com>  
Sent: Sun, Dec 2, 2012 2:58 pm  
Subject: [Boatanchors] One UGLY Radio

I think I can safely say...  
his is the ugliest commercial radio I've ever seen, period.  
[www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)

---

oatanchors mailing list  
ome: <http://mailman.qth.net/mailman/listinfo/boatanchors>  
elp: <http://mailman.qth.net/mmfaq.htm>  
ost: <mailto:Boatanchors at mailman.qth.net>  
List Administrator: Duane Fischer, W8DBF  
\* For Assistance: [dfischer at usol.com](mailto:dfischer at usol.com) \*\*

his list hosted by: <http://www.qsl.net>  
lease help support this email list: <http://www.qsl.net/donate.html>

From w7qho at aol.com Sun Dec 2 19:24:30 2012  
From: w7qho at aol.com (mac)  
Date: Sun, 2 Dec 2012 16:24:30 -0800

Subject: [BoatAnchors] [Boatanchors] One UGLY Radio

In-Reply-To:

<1794419069.186711.1354490462286.JavaMail.root@sz0213a.westchester.pa.mail.comcast.net>

References:

<1794419069.186711.1354490462286.JavaMail.root@sz0213a.westchester.pa.mail.comcast.net>

Message-ID: <362478AF-9345-41A1-95C1-A853707B2AA3@aol.com>

I make put the engraving as "Hoffman & Sons."

Dennis D. W7QH0  
Glendale, CA

\*\*\*\*\*

On Dec 2, 2012, at 3:21 PM, oldradio at comcast.net wrote:

> If it were closer, I'd bid on it - up to \$75 or so.  
>  
> The bottom plate with the caution label makes me think it is not a  
> home brew. Name in front panel says "Hoseman & Sons" ?? Looks hand  
> stamped. The receive-Send switch looks well used.  
>  
> 73, John Dilks, K2TQN

From johnmb at nc.rr.com Sun Dec 2 20:01:57 2012

From: johnmb at nc.rr.com (john)

Date: Sun, 02 Dec 2012 20:01:57 -0500

Subject: [BoatAnchors] [Boatanchors] One UGLY Radio

In-Reply-To: <8C6E909765A04633A00B74D40D9BF957@hppavilion>

References: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>

<8C6E909765A04633A00B74D40D9BF957@hppavilion>

Message-ID: <6.2.1.2.2.20121202200133.03daae20@pop-server.nc.rr.com>

Looks like a repackage job of some commercial/mil radio.

John K5MO

From w4rl at bellsouth.net Sun Dec 2 22:22:31 2012

From: w4rl at bellsouth.net (Robert Lawson)

Date: Sun, 02 Dec 2012 21:22:31 -0600

Subject: [BoatAnchors] One UGLY Radio

In-Reply-To: <CA01yix37arN4mcyCSAvM+idfw5\_VE0Z+FoPVX68vT2w0v0HeLQ@mail.gmail.com>

References: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>

<CA01yix37arN4mcyCSAvM+idfw5\_VE0Z+FoPVX68vT2w0v0HeLQ@mail.gmail.com>

Message-ID: <50BC1AF7.3030108@bellsouth.net>

It's got real character in my book, albieta tad lacking on looks. But it rocks with ergonomics just like some of old cronies do, and even then somebody loves us regardless. I've always believed old hams take on the at least character if not looks of their radios. Just as dog owners tend to do. I mean some of us are really 'heavy iron' in a sense, and some bare bones "spark gaps". I may be an average kit built Viking Valiant, but I did convince a factory fresh Drake 2-B to marry me long ago now with two grown up 2-BQ's with their own little kits. <grin>

Merry Christmas and Happy Hanukkan during the most Holy time of year.

Robert W4RL

PS Ronnie, I think it's got a little Cajun in it, don't you? And I bet that classic accent to boot.

On 12/2/2012 5:09 PM, Guido Santacana wrote:

> But it is kind of interesting even when I also agree that it is as ugly as  
> they could make it. :).

>

> 73s

>

> Guido KP4FAR

>

> On Sunday, December 2, 2012, David Stinson <arc5 at ix.netcom.com> wrote:

>> I think I can safely say...

>> This is the ugliest commercial radio I've ever seen, period.

>>

>> [www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)

>>

>> -----  
>> BoatAnchors mailing list

>> BoatAnchors at theporch.com

>> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>>

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

From gumbear at pacbell.net Mon Dec 3 01:44:33 2012

From: gumbear at pacbell.net (Arden Allen)



Date: Sun, 2 Dec 2012 22:44:33 -0800  
Subject: [BoatAnchors] One UGLY Radio  
References: <724F16B531A54090B2129A525F817E32@CompaqSR5710F>  
Message-ID: <002401cdd121\$ac4ac680\$650aa8c0@KB6NAX>

> I think I can safely say...  
> This is the ugliest commercial radio I've ever seen, period.

[www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)

A few gobs of spit and a quart of elbow grease could transform it into the  
purdee-est radio ever!

Arden Allen  
KB6NAX

Humanity's greatest sin against God is its unchecked population growth.  
-Pope Pius XIII

From wb3fau55 at neo.rr.com Mon Dec 3 18:36:56 2012  
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)  
Date: Mon, 3 Dec 2012 18:36:56 -0500  
Subject: [BoatAnchors] One UGLY Radio  
In-Reply-To: <002401cdd121\$ac4ac680\$650aa8c0@KB6NAX>  
Message-ID: <20121203233656.1JUXS.127216.root@cdptpa-web16-z01>

Tuning caps look like National. Real bad paint job. Sagging hammertone. A  
repaint of the  
front panel would make it a lot nicer. Metal 6SQ7- early 50s vintage? How  
about that eye!

----- Arden Allen <gumbear at pacbell.net> wrote:

> > I think I can safely say...  
> This is the ugliest commercial radio I've ever seen, period.  
>  
> [www.ebay.com/itm/221161446810](http://www.ebay.com/itm/221161446810)  
>  
> A few gobs of spit and a quart of elbow grease could transform it into the  
> purdee-est radio ever!  
>  
> Arden Allen  
> KB6NAX  
>  
> Humanity's greatest sin against God is its unchecked population growth.  
> -Pope Pius XIII  
>  
> -----

> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From arc5 at ix.netcom.com Tue Dec 4 07:05:51 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Tue, 4 Dec 2012 06:05:51 -0600  
Subject: [BoatAnchors] RCA AVT-112 Transmitter Notes  
Message-ID: <2F0D978489FB40A78F4089C3804D5D7A@CompaqSR5710F>

Many years ago, some kind soul sent me a copy of notes he'd made of some extensive work he'd done on the RCA AVT-112 and -15 transmitters and the AVR-20 receiver. Unfortunately, he didn't put a return address on the envelope, nor any identification of who did the work or who sent it. The only clue I have is the name of the person for whom he originally did the work, "Gene Oshrih."

I come across these notes every few years and always feel bad that I was never able to thank this person for kindly sending me these valuable notes. So every few years, I ask again:  
Does anyone have any idea?

73 DE Dave AB5S

From 1oldlens1 at ix.netcom.com Wed Dec 5 02:19:06 2012  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Tue, 4 Dec 2012 23:19:06 -0800  
Subject: [BoatAnchors] AR-88 Meter Mounting  
Message-ID: <4C8453106E004D70970A3FA7FB829FBB@VALUED20606295>

If anyone has an AR-88 or variation of this receiver with a \_factory\_ installed meter please look at how its mounted. There are some conflicts in what I can find on various web sites. The meter appears to be mounted on a bracket such that the front of the meter is near the window for it in the front panel. One meter bracket I've seen has stand-off feet, which make sense since something has to space the meter away from the window by its thickness. Are there two different brackets used perhaps. The meter parts list has a gasket, how is this used. There is a set of

instructions on several web sites that appears to be a partial copy of the official RCA instructions but the drawing accompanying it does not quite make sense.

--

Richard Knoppow  
Los Angeles  
WB6KBL  
dickburk at ix.netcom.com

From navy.radio at gmail.com Thu Dec 6 11:08:14 2012  
From: navy.radio at gmail.com (Nick England)  
Date: Thu, 6 Dec 2012 11:08:14 -0500  
Subject: [BoatAnchors] Estate help needed in Spokane  
Message-ID: <CAB55hNeRSrN3quF2R40z+P1A6qo29zbudk7Gooa2uN29aPp-Ag@mail.gmail.com>

I got email from the brother of a SK in Spokane Washington. He needs help in valuing and selling his brother's gear. From the photos he sent, there's nothing very valuable or interesting, just run-of-the-mill hamfest stuff. If you know of a local club or someone willing to help - please let me know and I'll pass along the info.  
73 & Have Fun,  
Nick K4NYW

From wb0eq at yahoo.com Thu Dec 6 22:52:15 2012  
From: wb0eq at yahoo.com (John Sehring)  
Date: Thu, 6 Dec 2012 19:52:15 -0800 (PST)  
Subject: [BoatAnchors] Fwd on AR-88 Meter mounting details  
Message-ID: <1354852335.58202.YahooMailNeo@web161004.mail.bf1.yahoo.com>

My fine friend John VE6XI kindly answered off-list:

=====

Hi Richard:

No dimensions but a pair of calipers gets you those.? The spacer(packer) goes over the front rim followed by the mounting plate which has countersunk screw holes to mount the meter to the plate which then in turn mounts onto the panel with I think short 4-40 screws.

A long time ago I sent the dimensions to Allan from OZ but it is in a huge folder on the AR88 group stuff. Hard to retrieve.

Hoping this helps.

BTW - the mounting plate is about .040 and the spacer(packing) about

.125/.140, just thick enough so that in combination with the mounting plate, the zero screw does not protrude beyond the front of the mounting plate.

Cheers,

John

VE6XI

PS--

Richard, somewhere in my voluminous pictures I have jpg's of the 2 pieces to mount a genuine meter in the genuine mounting plates.? The spacer is necessary to prevent the zero adjustment to impinge in the mounting plate. Stand by. It may be a few days before I did the jpg's out.

Cheers,

John

VE6XI

=====

?

--John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada

From ark at ar88.net Thu Dec 6 23:07:42 2012

From: ark at ar88.net (Al Klase)

Date: Thu, 06 Dec 2012 23:07:42 -0500

Subject: [BoatAnchors] Fwd on AR-88 Meter mounting details

In-Reply-To: <1354852335.58202.YahooMailNeo@web161004.mail.bf1.yahoo.com>

References: <1354852335.58202.YahooMailNeo@web161004.mail.bf1.yahoo.com>

Message-ID: <50C16B8E.9080404@ar88.net>

I'd worked out a template for the meter mount back in the 2009 discussion.

You can pick it up here: [http://www.skywaves.ar88.net/AR-88\\_Meter\\_Mount.pdf](http://www.skywaves.ar88.net/AR-88_Meter_Mount.pdf)

If you print it out to the referenced size, you can stick it to your stock and center punch the hole locations easily.

Al

On 12/6/2012 10:52 PM, John Sehring wrote:

> My fine friend John VE6XI kindly answered off-list:

>

>

> =====

> Hi Richard:

> No dimensions but a pair of calipers gets you those. The spacer(packer)

>

> goes over the front rim followed by the mounting plate which has countersunk

> screw holes to mount the meter to the plate which then in turn mounts onto

>

> the panel with I think short 4-40 screws.

> A long time ago I sent the dimensions to Allan from OZ but it is in a huge

>  
> folder on the AR88 group stuff. Hard to retrieve.  
> Hoping this helps.  
> BTW - the mounting plate is about .040 and the spacer(packing) about  
> .125/.140, just thick enough so that in combination with the mounting plate,  
> the zero screw does not protrude beyond the front of the mounting plate.  
> Cheers,  
> John  
> VE6XI  
>  
> PS--  
> Richard, somewhere in my voluminous pictures I have jpg's of the 2 pieces to  
> mount a genuine meter in the genuine mounting plates. The spacer is  
> necessary to prevent the zero adjustment to impinge in the mounting plate.  
>  
> Stand by. It may be a few days before I did the jpg's out.  
> Cheers,  
> John  
> VE6XI  
> =====  
>  
> --John Sehring VE6/WB0EQ nr. Calgary, Alberta, Canada  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>  
>  
>  
> -----  
> No virus found in this message.  
> Checked by AVG - [www.avg.com](http://www.avg.com)  
> Version: 10.0.1427 / Virus Database: 2634/5441 - Release Date: 12/06/12  
>

--  
Al Klase - N3FRQ  
Jersey City, NJ  
<http://www.skywaves.ar88.net/>

From wwatson5 at sbcglobal.net Sat Dec 8 10:48:20 2012  
From: wwatson5 at sbcglobal.net (William Watson)  
Date: Sat, 8 Dec 2012 07:48:20 -0800 (PST)  
Subject: [BoatAnchors] Boat Load of Boatanchors  
Message-ID: <1354981700.76031.YahooMailNeo@web181406.mail.ne1.yahoo.com>

Because of illness, I need to sell the following collection of boatanchors:

?

Motorola R-390A, with tag, looks nice, with top and bottom covers, works well  
Racal RA-17L Looks very nice, with rare original cabinet, works well

?

The following are are unrestored but good restoration candidates:

?

Hallicrafters SX-42

Hammarlund SP-600-JX-17 With rare original cabinet (square holes)

(2) National HRO-50 with miscellaneous coils

(4) Hallicrafters SX-28 (or SX-28A) 3 are in original cabinets, 1 is not in cabinet

Hallicrafters SX-100

Hallicrafters SX-25 Has had sloppy repainting

Hallicrafters SX-101

Hallicrafters SX-43 A little rough

Hallicrafters SX-71

National WRR-2A The big Kahunah, a little rough

?

In addition there are several odd Hallicrafters chassis and cabinets, I think mostly SX-71

?

All of the above is being offered as a lot, to be picked up at my home in the Oklahoma City area.

All must be taken.? I am unable to pick them up, so bring enough manpower to load your truck.

?

In addition, I will invite the buyer to look over the contents of two 10' x 10' storage units and take anything that is there.

There are some old radio consoles, lots of power supplies and other goodies, some steel carts, etc. ? I also have a very nice large steel shelf unit on wheels that has thick wooden shelves that I will throw in if the buyer wants it.

?

\$3500 firm.

?

Joe

W5WBR

?

(405)216-8266

From navy.radio at gmail.com Sat Dec 8 20:18:26 2012

From: navy.radio at gmail.com (Nick England)

Date: Sat, 8 Dec 2012 20:18:26 -0500

Subject: [BoatAnchors] HQ-140X f/s in Seminole FL

Message-ID: <CAB55hNfkZyitXNHx=7ifiiY-f5QE7twKWHoOVhgU61U=wouVxBA@mail.gmail.com>

Howdy Gang -

Anyone looking for an HQ-140X? I don't know the seller, just got this email via my boatanchors web site.

Reply direct to K4BHS jerryprimacy at gmail.com  
Nick K4NYW

----- Forwarded message -----

From: Jerry <jerryprimacy at gmail.com>  
Date: Fri, Dec 7, 2012 at 9:38 PM  
Subject: K4BHS  
To: nick at virhistory.com

Hi Nick. Your site is awesome. Found your website searching for a home for an excellent HQ-140-X that was my father's and I grew up with it at age 12 as KN4BHS. Been fanaticizing abt building a up a 1625 or 807 for cw nostalgia and just have too many projects ahead of that. The rcvr is in excellent condition, all old band switches replaced at Hammarlund free help, and I believe I have a complete tube replacement set. Now, the shack has run out of room and the boat anchor must go. So do you have any interest or suggestions. Can pull it off the shelf and take some pics. Functionality seems fine. Got any suggestions? Hate to see it rot and looks like value is no more than freight. Must be worth something to us old timers. I was also first licensed in 1960. My how things have changed.

Thanks in advance for your response.

Jerry  
K4BHS  
727-251-8703  
jerryprimacy at gmail.com

From bob at nofrowns.net Mon Dec 10 10:26:34 2012  
From: bob at nofrowns.net (Bob Jackson)  
Date: Mon, 10 Dec 2012 09:26:34 -0600  
Subject: [BoatAnchors] Pot needed  
Message-ID: <0B9C6DCFD278484DB0365BE7209E195A@c1408123a>

No, not the kind you smoke, although the one I need to replace got "smoked".

I need a source for a 2 meg on-off/volume pot with a shaft at least 1-1/4" long. Audio taper preferred but linear is OK. Any help greatly appreciated.

73, thanks, and Merry Christmas to all,

Bob AG5X

From john.shriver at gmail.com Mon Dec 10 20:35:07 2012  
From: john.shriver at gmail.com (John Shriver)  
Date: Mon, 10 Dec 2012 20:35:07 -0500

Subject: [BoatAnchors] Pot needed  
In-Reply-To: <0B9C6DCFD278484DB0365BE7209E195A@c1408123a>  
References: <0B9C6DCFD278484DB0365BE7209E195A@c1408123a>  
Message-ID: <0BED9C34-8865-4260-AD0C-8BD7778E7712@gmail.com>

Boy, that's a tough one.

Closest I find is this:

<http://www.tubesandmore.com/products/R-VS-1MA>

1 megohm, audio taper, with a switch and a long 1/4" shaft.

Same manufacturer (Alpha) has a 2 meg pot, it's quite possible you can transfer the rear case and switch from the 1 megohm to the 2 megohm pot. But the 2 meg is linear taper.

Mouser.com also carries Alpha pots, but all the 2 megohm ones are linear taper.

Whatever you do, buy a couple, Mousers shows a lot of these as obsolete, unavailable.

On Dec 10, 2012, at 10:26 AM, Bob Jackson <bob at nofrowns.net> wrote:

> No, not the kind you smoke, although the one I need to replace got "smoked".  
>  
> I need a source for a 2 meg on-off/volume pot with a shaft at least 1-1/4" long.  
Audio taper preferred but linear is OK. Any help greatly appreciated.  
>

From gumbear at pacbell.net Tue Dec 11 02:07:35 2012  
From: gumbear at pacbell.net (Arden Allen)  
Date: Mon, 10 Dec 2012 23:07:35 -0800  
Subject: [BoatAnchors] Pot needed  
References: <0B9C6DCFD278484DB0365BE7209E195A@c1408123a>  
<0BED9C34-8865-4260-AD0C-8BD7778E7712@gmail.com>  
Message-ID: <000901cdd76e\$39c35750\$650aa8c0@KB6NAX>

A one meg pot will probably work just fine in the AA5. Much better to have audio taper.

Arden Allen  
KB6NAX

Adopt a shelter dog,  
save an innocent life,



and make a friend forever =:-)

> Boy, that's a tough one.

Closest I find is this:

<http://www.tubesandmore.com/products/R-VS-1MA>

1 megohm, audio taper, with a switch and a long 1/4" shaft.

Same manufacturer (Alpha) has a 2 meg pot, it's quite possible you can transfer the rear case and switch from the 1 megohm to the 2 megohm pot. But the 2 meg is linear taper.....

From arc5 at ix.netcom.com Fri Dec 14 09:19:42 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Fri, 14 Dec 2012 08:19:42 -0600  
Subject: [BoatAnchors] OT: MRF255 MOSFET  
Message-ID: <3280E3C44E8348118CDC1E71BC8373BF@CompaqSR5710F>

Anyone got an MRF255 MOSFET laying around they'd sell or trade? I could get it from Hong Kong but would rather add to someone's Christmas money here if possible.  
Thanks,  
Dave S.

From arc5 at ix.netcom.com Fri Dec 14 13:44:17 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Fri, 14 Dec 2012 12:44:17 -0600  
Subject: [BoatAnchors] Boatanchor folks: See?  
Message-ID: <5577A6D82C5347CD80E3D0E7C344795D@CompaqSR5710F>

Some of us have mentioned how these newer, plastic radios are going to be near impossible to fix. Witness this exchange I just completed:

-----Original Message-----

>From: David Stinson [mailto:arc5 at ix.netcom.com]  
>Subject: Sent from Icom America Website:  
>Original ICOM 706 Filter Board

>Good Morning. I'm looking for the part number,  
>availability, price and ordering information for the  
>LPF Filter Board (after the PA, before the antenna)  
>for the original (not the MKII or IIG) Icom 706.  
>Thanks for your help!  
>Dave S.

Sorry no longer available

(sigh.....)

From gumbear at pacbell.net Fri Dec 14 14:20:25 2012  
From: gumbear at pacbell.net (Arden Allen)  
Date: Fri, 14 Dec 2012 11:20:25 -0800  
Subject: [BoatAnchors] Boatanchor folks: See?  
References: <5577A6D82C5347CD80E3D0E7C344795D@CompaqSR5710F>  
Message-ID: <002101cdda30\$14dfd070\$650aa8c0@KB6NAX>

> Some of us have mentioned how these newer,  
plastic radios are going to be near impossible to fix.  
Witness this exchange I just completed: ...

I keep having to explain that to my audio customers. Planned obsolescence, like everything else in today's high technology overdependence, is meticulously planned into every product by the use of computers. Buy it, have some fun with it for a while until the next fad approaches, throw it away and buy the latest "necessity". Talk about an assault on the environment....

Arden Allen  
KB6NAX

Stupidity is far more dangerous than evil,  
for evil takes a break from time to time,  
stupidity does not. - Anatole France

From jerry7proc at yahoo.com Sun Dec 16 11:09:55 2012  
From: jerry7proc at yahoo.com (Jerry Proc)  
Date: Sun, 16 Dec 2012 08:09:55 -0800 (PST)  
Subject: [BoatAnchors] FWD: Bletchley Park amateur radio station goes silent  
Message-ID: <1355674195.7417.YahooMailNeo@web121101.mail.ne1.yahoo.com>

WORLDBEAT: HISTORIC BLETCHLEY PARK AMATEUR RADIO? GB2BP QRT

?

?A historic amateur radio station is going QRT for good. Over the weekend of December 15th and 16th, station GB2BP will be making its final transmissions from the famed Bletchley Park estate in the United Kingdom.

?

Bletchley Park has been the home of GB2BP as well as serving as the location of its sponsor the Milton Keynes Amateur Radio Society for the past 18 years. But both are being forced to vacate the estate due to a change in its status to a museum. This will mean that it will have scheduled opening and closing times after which there will be no public access.

?

?For those who are not aware of Bletchley Park's significance, during World War 2 it was the site of the United Kingdom's main message intercept center where ciphers and codes of several Axis countries were decrypted. The most important of these were the ciphers generated by the German Enigma and Lorenz machines. The work done there is generally credited as one of the main reasons that the Allies won the war.

?

While GB2BP may no longer be in full time residence on the Bletchley Park Estate it will re-appear occasionally as a special event station supporting public events at the new museum. (Southgate)

?

From Amateur Radio Newsline Dec 14, 2012

--

Regards,

Jerry Proc

E-mail: jerry7proc at yahoo.com

From wwatson5 at sbcglobal.net Mon Dec 17 22:02:33 2012

From: wwatson5 at sbcglobal.net (William Watson)

Date: Mon, 17 Dec 2012 19:02:33 -0800 (PST)

Subject: [BoatAnchors] Boatload of Boatanchors

Message-ID: <1355799753.26391.YahooMailNeo@web181405.mail.ne1.yahoo.com>

Because of illness, I need to sell the following collection of boatanchors:

Motorola R-390A, with tag, looks nice, with top and bottom covers, works well  
Racal RA-17L Looks very nice, with rare original cabinet, works well

The following are are unrestored but good restoration candidates:

Hallicrafters SX-42

Hammarlund SP-600-JX-17 With rare original cabinet (square holes)

(2) National HRO-50 with miscellaneous coils

(4) Hallicrafters SX-28 (or SX-28A) 3 are in original cabinets, 1 is not in cabinet

Hallicrafters SX-100,  
Hallicrafters SX-25 Has had sloppy repainting  
Hallicrafters SX-101  
Hallicrafters SX-43  
A little rough Hallicrafters SX-71  
National WRR-2A The big Kahunah, a little rough

In addition there are several odd Hallicrafters chassis and cabinets, I think mostly SX-71

All of the above is being offered as a lot, to be picked up at my home in the Oklahoma City area.  
All must be taken. I am unable to pick them up, so bring enough manpower to load your truck.

In addition, I will invite the buyer to look over the contents of two 10' x 10' storage units and take anything that is there.  
There are some old radio consoles, lots of power supplies and other goodies, some steel carts, etc. I also have a very nice large steel shelf unit on wheels that has thick wooden shelves that I will throw in if the buyer wants it.

\$3000 firm.

From mike at oldaudio.net Wed Dec 19 12:48:59 2012  
From: mike at oldaudio.net (Mike Durff)  
Date: Wed, 19 Dec 2012 09:48:59 -0800 (PST)  
Subject: [BoatAnchors] Item I.D. ?  
Message-ID: <1355939339.72903.YahooMailNeo@web5712.biz.mail.ne1.yahoo.com>

Can anyone identify this item or, where it may have been used ??  
Ebay # 130818826697  
TNX, MD

From w7qho at aol.com Wed Dec 19 13:24:09 2012  
From: w7qho at aol.com (mac)  
Date: Wed, 19 Dec 2012 10:24:09 -0800  
Subject: [BoatAnchors] Item I.D. ?  
In-Reply-To: <1355939339.72903.YahooMailNeo@web5712.biz.mail.ne1.yahoo.com>  
References: <1355939339.72903.YahooMailNeo@web5712.biz.mail.ne1.yahoo.com>  
Message-ID: <CE04AB86-BED1-4597-BB47-30DA1073BBF6@aol.com>

My best guess -- Home brew and part of some kind of an antenna tuning circuit....

Dennis D. W7QH0  
Glendale, CA

\*\*\*\*\*

On Dec 19, 2012, at 9:48 AM, Mike Durff wrote:

> Can anyone identify this item or, where it may have been used ?  
> Ebay # 130818826697  
> TNX, MD  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From arc5 at ix.netcom.com Wed Dec 19 22:08:40 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Wed, 19 Dec 2012 21:08:40 -0600  
Subject: [BoatAnchors] Milradio Christmas Card  
Message-ID: <47130E0A888948A98F1933EE7D1DBE45@CompaqSR5710F>

<http://home.netcom.com/~arc5/xmas274N.JPG>

All the best from my family to yours!

73 Dave AB5S

From wb3fau55 at neo.rr.com Thu Dec 20 09:01:20 2012  
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)  
Date: Thu, 20 Dec 2012 9:01:20 -0500  
Subject: [BoatAnchors] Milradio Christmas Card  
In-Reply-To: <47130E0A888948A98F1933EE7D1DBE45@CompaqSR5710F>  
Message-ID: <20121220140120.P326W.66614.root@cdptpa-web08-z02>

Cool card Dave! Merry Christmas!

----- David Stinson <arc5 at ix.netcom.com> wrote:

> <http://home.netcom.com/~arc5/xmas274N.JPG>

>

> All the best from my family to yours!

>

> 73 Dave AB5S

>

> -----

> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From ddillman at igc.org Fri Dec 21 11:33:29 2012  
From: ddillman at igc.org (Richard Dillman)  
Date: Fri, 21 Dec 2012 08:33:29 -0800 (GMT-08:00)  
Subject: [BoatAnchors] Available: Sams Photofacts  
Message-ID: <17880985.1356107609336.JavaMail.root@elwamui-darkeyed.atl.sa.earthlink.net>

I forward the following at Adam's request. Please contact him directly (not me) at Adam Mc Laughlin <ajm at sonic.net> if you have any interest.

Best,

RD

-----Forwarded Message-----

>From: Adam Mc Laughlin <ajm at sonic.net>  
>Sent: Dec 20, 2012 2:46 PM  
>To: Richard Dillman <ddillman at igc.org>, Josh Fiden <josh at voodoolab.com>  
>Subject: Sams Photofacts  
>  
>Hi Dick  
>  
>Can you ask one last time to Boat Anchors / Glowbugs Etc about the  
>collection of Sams Photofacts?  
>  
>I would estimate that we have between eight to ten "bankers boxes" of  
>Photofacts, all of them TV related records. These came from the TV  
>repair shop operated by retired Globe Wireless manager Jim Pelmulder.  
>  
>If we cannot find a home; the materials will find their way to the  
>recyclers.  
>Let me know what you think.  
>  
>Adam  
>  
>--  
>Adam Mc Laughlin  
>Ajm at Sonic.net  
>

=====

Richard Dillman, WPE2VT  
Chief Operator, Coast Station KSM  
Maritime Radio Historical Society  
<http://www.radiomarine.org>  
=====

From arc5 at ix.netcom.com Sun Dec 23 10:33:40 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sun, 23 Dec 2012 09:33:40 -0600  
Subject: [BoatAnchors] Why Are Tube AVC and DET Diodes Always Bad?  
Message-ID: <C4AC68E54BAC4782BB482547C7D318F4@CompaqSR5710F>

Ever notice when you test the tubes from a rig,  
the Detector / AVC diodes in any used tube  
are nearly always bad? Is this because of the relatively  
small area of cathode dedicated to them, or is there something  
in the design of tube-type detectors/AVC circuits that is  
hard on these elements?

Has someone devised simple, non-destructive ways  
to bypass bad tube detector diodes and do these functions  
with, say, a silicon signal diode, until one can get a NOS tube?

Please- I'm not at all interested in building a  
"Multi-dimentional Time-defused Quadralateraly  
Galactic Pi-R-round Cornbread-R-Square  
Phase-Potentulated Product Mega-Demod"  
to do the job of simple diode detector.  
I just want to detect an AM signal,  
not create anti-matter ;-)

Thanks,  
D.S.

From 1oldlens1 at ix.netcom.com Sun Dec 23 11:02:37 2012  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Sun, 23 Dec 2012 08:02:37 -0800  
Subject: [BoatAnchors] [Boatanchors] Why Are Tube AVC and DET Diodes  
Always Bad?  
References: <C4AC68E54BAC4782BB482547C7D318F4@CompaqSR5710F>  
Message-ID: <CB3483ABD42D404A8442A8C7CD7E3374@VALUED20606295>

----- Original Message -----  
From: "David Stinson" <arc5 at ix.netcom.com>

To: <boatanchors at theporch.com>;  
<boatanchors at mailman.qth.net>  
Sent: Sunday, December 23, 2012 7:33 AM  
Subject: [Boatanchors] Why Are Tube AVC and DET Diodes  
Always Bad?

> Ever notice when you test the tubes from a rig,  
> the Detector / AVC diodes in any used tube are nearly  
> always bad? Is this because of the relatively  
> small area of cathode dedicated to them, or is there  
> something  
> in the design of tube-type detectors/AVC circuits that is  
> hard on these elements?  
>  
> Has someone devised simple, non-destructive ways  
> to bypass bad tube detector diodes and do these functions  
> with, say, a silicon signal diode, until one can get a NOS  
> tube?  
>  
> Please- I'm not at all interested in building a  
> "Multi-dimentional Time-defused Quadralateraly  
> Galactic Pi-R-round Cornbread-R-Square Phase-Potentulated  
> Product Mega-Demod"  
> to do the job of simple diode detector.  
> I just want to detect an AM signal, not create anti-matter  
> ;-)  
>  
> Thanks,  
> D.S.  
>

If you mean 6H6 or 6AL5 tubes they measure weaker than  
rectifier tubes. Many tube testers have a separate scale  
marking for them.

You could probably replace any of these diodes with  
Schotkey diodes. The performance should not suffer and you  
would never have to replace them.

--

Richard Knoppow  
Los Angeles  
WB6KBL  
dickburk at ix.netcom.com

From w7qho at aol.com Sun Dec 23 14:31:37 2012



From: w7qho at aol.com (mac)  
Date: Sun, 23 Dec 2012 11:31:37 -0800  
Subject: [BoatAnchors] [Boatanchors] Why Are Tube AVC and DET Diodes  
Always Bad?  
In-Reply-To: <CB3483ABD42D404A8442A8C7CD7E3374@VALUED20606295>  
References: <C4AC68E54BAC4782BB482547C7D318F4@CompaqSR5710F>  
<CB3483ABD42D404A8442A8C7CD7E3374@VALUED20606295>  
Message-ID: <855C6914-03C3-4DA0-B908-884E7FB4B440@aol.com>

Have never replaced a 6Q7, 6SQ7, 6H6, 6AL5 etc. used in 2nd Detector/  
AVC circuits based on tube checker readings alone, only if a "good"  
replacement provided obvious improvement. As Sibley points out "a  
tube tester is simply a guide to the usefulness of a tube. In earlier  
times it was a handy sales tool, a scientific-appearing device helping  
convince the customer that a new tube was required." (Tube Lore, 1996)

Dennis D. W7QH0  
Glendale, CA

\*\*\*\*\*

From hankvc at lostwells.net Sun Dec 23 16:36:42 2012  
From: hankvc at lostwells.net (HankVC)  
Date: Sun, 23 Dec 2012 14:36:42 -0700 (MST)  
Subject: [BoatAnchors] Why Are Tube AVC and DET Diodes Always Bad?  
In-Reply-To: <C4AC68E54BAC4782BB482547C7D318F4@CompaqSR5710F>  
Message-ID: <201212232136.qBNLagxB023930@joanne.lostwells.net>

The esteemed David Stinson has said:

>  
> Ever notice when you test the tubes from a rig,  
> the Detector / AVC diodes in any used tube  
> are nearly always bad? Is this because of the relatively  
> small area of cathode dedicated to them, or is there something  
> in the design of tube-type detectors/AVC circuits that is  
> hard on these elements?  
>

Yeah, I've seen that fairly regularly. Have no idea why, aside from  
noting the small physical size of the diodes. Seems to affect 6H6's  
just as badly as duo-diode triodes and pentodes.

> Has someone devised simple, non-destructive ways  
> to bypass bad tube detector diodes and do these functions  
> with, say, a silicon signal diode, until one can get a NOS tube?  
>

Very simple fix---just paste 1N34's across the diode pins on the tube

socket. This is a "just doit" mod I generally make.

Another "just doit" is to connect a pair of diodes across the terminals of S-meters. I use 1N4005's because I bought a strip of 100 of them a while back. Also bought a strip of 1N34's. Silicon diodes typically conduct on 200% of the voltage developed across most of those panel meters, so don't affect the reading.

> Please- I'm not at all interested in building a  
> "Multi-dimentional Time-defused Quadralateraly  
> Galactic Pi-R-round Cornbread-R-Square  
> Phase-Potentulated Product Mega-Demod"  
> to do the job of simple diode detector.  
> I just want to detect an AM signal,  
> not create anti-matter ; -)  
>

I don't think 1N34's quite qualify as the type of circuit you don't want to build.

Hank

From gumbear at pacbell.net Sun Dec 23 18:59:13 2012

From: gumbear at pacbell.net (Arden Allen)

Date: Sun, 23 Dec 2012 15:59:13 -0800

Subject: [BoatAnchors] Why Are Tube AVC and DET Diodes Always Bad?

References: <C4AC68E54BAC4782BB482547C7D318F4@CompaqSR5710F>

Message-ID: <001f01cde169\$88434ca0\$9b9d480c@KB6NAX>

> Ever notice when you test the tubes from a rig,  
the Detector / AVC diodes in any used tube  
are nearly always bad? Is this because of the relatively  
small area of cathode dedicated to them, or is there something  
in the design of tube-type detectors/AVC circuits that is  
hard on these elements? ....

I think, David, you may be looking for a solution without a problem. As mentioned in another posting the proof is in the soup, ...I mean in the circuit the diode is employed in. For example my 1938 Zenith uses a 6H6 for detection and AVC. I found that the contact current produced by a new out the box 6H6 produced enough negative voltage on the AVC line without a signal that sensitivity was noticeably reduced. I played around with several 6H6's to find that a tired old tube produced just as much audio output as a new tube but with lower contact current sensitivity was not reduced. What did my tube tester tell me? It told me to replace the old 6H6. Well, the "oldie" has been in that radio for a couple of decades now and the radio still plays fine.

Arden Allen  
KB6NAX

Properly trained a man can be  
dog's best friend. -Corey Ford

If you pick up a starving dog and  
make him prosperous, he will not  
bite you. This is the principle  
difference between a dog and  
a man. -Mark Twain

From landn2 at frontier.com Tue Dec 25 03:24:44 2012  
From: landn2 at frontier.com (Liles and Naomi Garcia)  
Date: Tue, 25 Dec 2012 00:24:44 -0800  
Subject: [BoatAnchors] Merry Christmas and Happy New Year To All!!  
Message-ID: <OBEDKFDGHEPDGADPPEHFEEGOEAAA.landn2@frontier.com>

Good evening Everybody,

Just a short note to wish you all a very Merry Christmas and a Happy New  
Year from our house to your all's houses. Also many thanks for the ARC 5  
email card!!

Best from Aloha, Oregon,  
Liles Garcia  
landn2 at frontier.com

From arc5 at ix.netcom.com Wed Dec 26 10:10:45 2012  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Wed, 26 Dec 2012 09:10:45 -0600  
Subject: [BoatAnchors] 75 Mtr to "Q-5er" Converter.  
Message-ID: <5014B77543F04503A5D38ADCACB33A77@CompaqSR5710F>

I've been asked a couple of times about this simple converter  
which can be used to receive 75 meters (or any other band)  
on your little 200-400 KC aircraft "Range" sets:

<http://home.netcom.com/~arc5/converter.JPG>

The operative word is "simple," and I find the trade-offs

for keeping it so acceptable. Not even slightly interested in building something for the bridge of the Starship Enterprise because it might be 13.725% "better" ;-)

I used a color-burst crystal (3580 KC as in the diagram) because they are cheap and plentiful.  
3880 KC will appear at 300 KC on the dial.  
However- there will be images from the 3.2 MC SWBC stations lower in the band. I don't worry about this because I'm only going to use the rig from 3870-3890 anyway. You can add a "wave trap," which is just copies of L1's secondary and C1 in series with the antenna lead, which you tune to reject the SWBC.

If you have a crystal in the 4180 KC range, the image freqs will be in 4480 KC area, which should be quieter.

Open the power lead to the converter during transmit and your TR switching for these little rigs is done, unless you're running a KW. Might want to protect the input to the chip if you do that.

Remember that most of these "Range" receivers have very sharp IFs, which can restrict recovery of speech sidebands ( meaning "sound crummy" ;-)  
Often, one can "stagger-tune" the IFs- tune the first a little low, the middle right on, the last a little high- trading some gain for more bandwidth. There are other ways. If using a BC-453, just push all the little "sticks" on the top of the IF cans all the way in.

Back to work for me,  
73 Dave AB5S

From nbroline at austin.rr.com Wed Dec 26 13:48:31 2012  
From: nbroline at austin.rr.com (Nick Broline)  
Date: Wed, 26 Dec 2012 12:48:31 -0600  
Subject: [BoatAnchors] Vacuum small-signal diodes  
In-Reply-To: <mailman.0.1356372000.22718.boatanchors@theporch.com>  
References: <mailman.0.1356372000.22718.boatanchors@theporch.com>  
Message-ID: <D6133477EBE64A4CB734CC13C05A1974@newdualath>

I would never worry about the integrity of a detector diode provided no shorts exist and the filament is intact. These diodes are so lightly challenged they will never fail as long as the cathode gets near the proper temperature. The contact potential developed by individual diodes (6H6 and

offspring) can be reduced by cooling the cathode with a filament dropping resistor. This move is often used to keep the AVC voltage close to zero with no signal.

Nick BrolineW5FUA  
512 327 7425

We shall not cease from exploration  
And at the end of exploring  
Will be to arrive where we started  
And know the place for the first time.  
T.S. Eliot--"Little Gidding"

From mike at oldaudio.net Wed Dec 26 17:21:52 2012  
From: mike at oldaudio.net (Mike Durff)  
Date: Wed, 26 Dec 2012 14:21:52 -0800 (PST)  
Subject: [BoatAnchors] Transmitter using PP 808  
Message-ID: <1356560512.74245.YahooMailNeo@web5710.biz.mail.ne1.yahoo.com>

OK, this is a wildcard question I will throw out... About 20 years ago I purchased a well made homebrew transmitter in a 7ft rack.  
It was purchased at a hamfest in Alvin, TX. It uses PP 808 for finals. I have been looking in old QST and radio amateur's handbooks from the 1940's for this rig. It was possibly conjured up by an old ham from scratch... but I think he got the schematic from another source.  
It is well laid out, with typical stage-on-a chassis. I am assuming it was homebrew, but could have been commercially built, but I doubt it. ?  
Do any of you remember a PP808 rig from your youth? I would assume this was built in the late 1940's to early 1950's.

Thanks for any help you can shed on this. Mike

From ark at ar88.net Wed Dec 26 18:33:14 2012  
From: ark at ar88.net (Al Klase)  
Date: Wed, 26 Dec 2012 18:33:14 -0500  
Subject: [BoatAnchors] Vacuum small-signal diodes  
In-Reply-To: <D6133477EBE64A4CB734CC13C05A1974@newdualath>  
References: <mailman.0.1356372000.22718.boatanchors@theporch.com>  
<D6133477EBE64A4CB734CC13C05A1974@newdualath>  
Message-ID: <50DB893A.70703@ar88.net>

Nick,

Thanks for this piece of information. I'd encountered heater-dropping resistors on detector tubes, but never found an explanation.

Also, I've restored a fair number of boatanchor receivers in the last twenty years, and can't recall ever encountering a signal-diode failure.

Al

On 12/26/2012 1:48 PM, Nick Broline wrote:

> I would never worry about the integrity of a detector diode provided no  
> shorts exist and the filament is intact. These diodes are so lightly  
> challenged they will never fail as long as the cathode gets near the proper  
> temperature. The contact potential developed by individual diodes (6H6 and  
> offspring) can be reduced by cooling the cathode with a filament dropping  
> resistor. This move is often used to keep the AVC voltage close to zero with  
> no signal.

>

> Nick BrolineW5FUA

> 512 327 7425

>

> We shall not cease from exploration

> And at the end of exploring

> Will be to arrive where we started

> And know the place for the first time.

> T.S. Eliot--"Little Gidding"

>

>

> -----  
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

>

>

> -----

> No virus found in this message.

> Checked by AVG - [www.avg.com](http://www.avg.com)

> Version: 10.0.1430 / Virus Database: 2637/5488 - Release Date: 12/26/12

--

Al Klase - N3FRQ

Jersey City, NJ

<http://www.skywaves.ar88.net/>

From wb3fau55 at neo.rr.com Wed Dec 26 18:46:29 2012

From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)

Date: Wed, 26 Dec 2012 18:46:29 -0500

Subject: [BoatAnchors] Vacuum small-signal diodes

In-Reply-To: <D6133477EBE64A4CB734CC13C05A1974@newdualath>

Message-ID: <20121226234629.B6TL0.83328.root@cdptpa-web36-z02.mail.rr.com>

See if i remember the number correctly- a 12SQ7, does it have 2 small diodes and triode? I had a rash of bad ones a few years ago, in some old 5 tube ac-dc table

radios. Metal octal type, usually super reliable. Most recently, in a 1950 Bendix

table radio. I have never had a bad 6AL5 or 6H6 ever. Russ.

---- Nick Broline <nbroline at austin.rr.com> wrote:

> I would never worry about the integrity of a detector diode provided no  
> shorts exist and the filament is intact. These diodes are so lightly  
> challenged they will never fail as long as the cathode gets near the proper  
> temperature. The contact potential developed by individual diodes (6H6 and  
> offspring) can be reduced by cooling the cathode with a filament dropping  
> resistor. This move is often used to keep the AVC voltage close to zero with  
> no signal.

>

> Nick BrolineW5FUA

> 512 327 7425

>

> We shall not cease from exploration

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> T.S. Eliot--"Little Gidding"

>

> -----

> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb3fau55 at neo.rr.com Wed Dec 26 18:54:24 2012

From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)

Date: Wed, 26 Dec 2012 18:54:24 -0500

Subject: [BoatAnchors] Vacuum small-signal diodes

In-Reply-To: <50DB893A.70703@ar88.net>

Message-ID: <20121226235425.I08TY.83370.root@cdptpa-web36-z02.mail.rr.com>

I lied, I now recall a 6H6 failing for me, about 40 years ago, in a NC-173, it was a open filament.

Kind of rare happening, as rugged as those metal octal tubes are. Russ.

---- Al Klase <ark at ar88.net> wrote:

> Nick,

>

> Thanks for this piece of information. I'd encountered heater-dropping

> resistors on detector tubes, but never found an explanation.

>

> Also, I've restored a fair number of boatanchor receivers in the last

> twenty years, and can't recall ever encountering a signal-diode failure.  
>  
> Al  
>  
> On 12/26/2012 1:48 PM, Nick Broline wrote:  
> > I would never worry about the integrity of a detector diode provided no  
> > shorts exist and the filament is intact. These diodes are so lightly  
> > challenged they will never fail as long as the cathode gets near the proper  
> > temperature. The contact potential developed by individual diodes (6H6 and  
> > offspring) can be reduced by cooling the cathode with a filament dropping  
> > resistor. This move is often used to keep the AVC voltage close to zero with  
> > no signal.  
> >  
> > Nick BrolineW5FUA  
> > 512 327 7425  
> >  
> > We shall not cease from exploration  
> > And at the end of exploring  
> > Will be to arrive where we started  
> > And know the place for the first time.  
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> >  
> > -----  
> > BoatAnchors mailing list  
> > BoatAnchors at theporch.com  
> > <https://minime.theporch.com/mailman/listinfo/boatanchors>  
> >  
> >  
> > -----  
> > No virus found in this message.  
> > Checked by AVG - [www.avg.com](http://www.avg.com)  
> > Version: 10.0.1430 / Virus Database: 2637/5488 - Release Date: 12/26/12  
>  
> --  
> Al Klase - N3FRQ  
> Jersey City, NJ  
> <http://www.skywaves.ar88.net/>  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From k1lky at earthlink.net Wed Dec 26 21:07:34 2012  
From: k1lky at earthlink.net (Roy Morgan)  
Date: Wed, 26 Dec 2012 21:07:34 -0500



Subject: [BoatAnchors] Transmitter using PP 808  
In-Reply-To: <1356560512.74245.YahooMailNeo@web5710.biz.mail.ne1.yahoo.com>  
References: <1356560512.74245.YahooMailNeo@web5710.biz.mail.ne1.yahoo.com>  
Message-ID: <D5791022-015D-45F6-BE9A-E0803C36DBC1@earthlink.net>

On Dec 26, 2012, at 5:21 PM, Mike Durff wrote:

> ... a well made homebrew transmitter ... uses PP 808 for finals.

Mike,

I'm only a little bit familiar with the 800 series of tubes but I suggest you dope out what other similar tubes might have been used. The other tubes might ring a bell with someone, or help your search for info.

Roy

Roy Morgan  
k1lky at earthlink.net  
K1LKY Since 1958 - Keep 'em Glowing!

From w7qho at aol.com Wed Dec 26 21:20:52 2012  
From: w7qho at aol.com (mac)  
Date: Wed, 26 Dec 2012 18:20:52 -0800  
Subject: [BoatAnchors] Transmitter using PP 808  
In-Reply-To: <1356560512.74245.YahooMailNeo@web5710.biz.mail.ne1.yahoo.com>  
References: <1356560512.74245.YahooMailNeo@web5710.biz.mail.ne1.yahoo.com>  
Message-ID: <35469A3C-D3CD-4308-A95D-7E41C4A41D4C@aol.com>

Mike,

Would expect the rig you have is a composite of designs of PA, RF exciter, audio and PS circuits the builder found in handbooks and other late-30s thru mid-50s publications. The 808 is a 30s "medium power" triode. My 1939 ARRL Handbook includes a description of a P-P PA designed for a list of triodes including a pair of 808s. Other tubes on the list include the 35T, RK35-37-51-52, T-55-40 and HK 54-154.

Dennis D. W7QHO  
Glendale, CA

\*\*\*\*\*

On Dec 26, 2012, at 2:21 PM, Mike Durff wrote:

> OK, this is a wildcard question I will throw out... About 20 years  
> ago I purchased a well made homebrew transmitter in a 7ft rack.  
> It was purchased at a hamfest in Alvin, TX. It uses PP 808 for  
> finals. I have been looking in old QST and radio amateur's handbooks  
> from the 1940's for this rig. It was possibly conjured up by an old  
> ham from scratch... but I think he got the schematic from another  
> source.  
> It is well laid out, with typical stage-on-a chassis. I am assuming  
> it was homebrew, but could have been commercially built, but I doubt  
> it.  
> Do any of you remember a PP808 rig from your youth? I would assume  
> this was built in the late 1940's to early 1950's.  
>  
> Thanks for any help you can shed on this. Mike  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From 1oldlens1 at ix.netcom.com Wed Dec 26 22:46:07 2012  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Wed, 26 Dec 2012 19:46:07 -0800  
Subject: [BoatAnchors] Vacuum small-signal diodes  
References: <mailman.0.1356372000.22718.boatanchors@theporch.com>  
<D6133477EBE64A4CB734CC13C05A1974@newdualath>  
Message-ID: <8B54D58433C44D5BB666A8CC124D904B@VALUED20606295>

----- Original Message -----

From: "Nick Broline" <nbroline at austin.rr.com>  
To: <boatanchors at theporch.com>  
Sent: Wednesday, December 26, 2012 10:48 AM  
Subject: Re: [BoatAnchors] Vacuum small-signal diodes

>I would never worry about the integrity of a detector diode  
>provided no  
> shorts exist and the filament is intact. These diodes are  
> so lightly  
> challenged they will never fail as long as the cathode  
> gets near the proper  
> temperature. The contact potential developed by  
> individual diodes (6H6 and  
> offspring) can be reduced by cooling the cathode with a

> filament dropping  
> resistor. This move is often used to keep the AVC voltage  
> close to zero with  
> no signal.  
>  
> Nick BrolineW5FUA  
> 512 327 7425  
>

I've not seen that done for detectors but its very common for series valve noise limiters. Dropping the filament voltage by about 25% reduces hum from heater to cathode leakage.

Its typical to design an AVC system with a "delay" or minimum bias that must be overcome by the AVC diode before additional bias can be applied to the controlled stages. The purpose is to prevent the set from being desensitized by very small signals that without the delay would actuate the AVC and reduce the gain. There are many alternative circuits for applying the delay bias.

The Radiotron Handbook, 4th edition, also shows a couple of microphone preamplifiers using pentodes that are connected so that the screen is used as the plate, the plate and suppressor being grounded. These are also arranged for reduced filament voltage mainly to prevent exceeding the screen dissipation. The intention of this odd circuit is to reduce noise.

Reduced filament voltage has also been used to produce a "starved" diode for use as a noise source, I am not sure of the theory of this. I have a dim memory of some other applications. Perhaps extending the region where a diode has square-law response.

--

Richard Knoppow  
Los Angeles  
WB6KBL  
dickburk at ix.netcom.com

From k7rpx at yahoo.com Thu Dec 27 00:21:47 2012  
From: k7rpx at yahoo.com (Ken warren)  
Date: Wed, 26 Dec 2012 21:21:47 -0800 (PST)  
Subject: [BoatAnchors] Transmitter using PP 808  
In-Reply-To: <1356560512.74245.YahooMailNeo@web5710.biz.mail.ne1.yahoo.com>  
References: <1356560512.74245.YahooMailNeo@web5710.biz.mail.ne1.yahoo.com>  
Message-ID: <1356585707.8646.YahooMailNeo@web163804.mail.gq1.yahoo.com>

Hi Mike, I am not familiar with your radio but I remember that my old high school teacher from the early 60's said the 808 was used in some kind of railroad communication system a lot. I used to have a couple of them around here but haven't seen them in many years. An interesting globe shaped tube if I recall correctly.

?

Ken Warren K7RPX

---

From: Mike Durff <mike at oldaudio.net>  
To: "BoatAnchors at theporch.com" <BoatAnchors at theporch.com>  
Sent: Wednesday, December 26, 2012 2:21 PM  
Subject: [BoatAnchors] Transmitter using PP 808

OK, this is a wildcard question I will throw out... About 20 years ago I purchased a well made homebrew transmitter in a 7ft rack. It was purchased at a hamfest in Alvin, TX. It uses PP 808 for finals. I have been looking in old QST and radio amateur's handbooks from the 1940's for this rig. It was possibly conjured up by an old ham from scratch... but I think he got the schematic from another source. It is well laid out, with typical stage-on-a chassis. I am assuming it was homebrew, but could have been commercially built, but I doubt it. ? Do any of you remember a PP808 rig from your youth? I would assume this was built in the late 1940's to early 1950's.

Thanks for any help you can shed on this. Mike

---

BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From 1oldlens1 at ix.netcom.com Thu Dec 27 02:05:44 2012  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Wed, 26 Dec 2012 23:05:44 -0800  
Subject: [BoatAnchors] Transmitter using PP 808  
References: <1356560512.74245.YahooMailNeo@web5710.biz.mail.ne1.yahoo.com>  
Message-ID: <821CDDCEFED84D099AF4D47003CD8E8C@VALUED20606295>

----- Original Message -----

From: "Mike Durff" <mike at oldaudio.net>  
To: <BoatAnchors at theporch.com>  
Sent: Wednesday, December 26, 2012 2:21 PM  
Subject: [BoatAnchors] Transmitter using PP 808

OK, this is a wildcard question I will throw out... About 20 years ago I purchased a well made homebrew transmitter in a 7ft rack.

It was purchased at a hamfest in Alvin, TX. It uses PP 808 for finals. I have been looking in old QST and radio amateur's handbooks from the 1940's for this rig. It was possibly conjured up by an old ham from scratch... but I think he got the schematic from another source.

It is well laid out, with typical stage-on-a chassis. I am assuming it was homebrew, but could have been commercially built, but I doubt it.

Do any of you remember a PP808 rig from your youth? I would assume this was built in the late 1940's to early 1950's.

Thanks for any help you can shed on this. Mike

The 808 shows up in the RCA Transmitting Tube Handbook TT-3 dated 1938. The circuit section in the back shows a diagram for a push-pull telegraph transmitter driven by an 807 and rated at 275 watts \_output\_. There is also a diagram for a single-ended frequency doubler or amplifier rated at 140 watts but not stated if input or output.

This handbook is available at:

[http://www.junkbox.com/electronics/rca\\_tt3\\_manual.pdf](http://www.junkbox.com/electronics/rca_tt3_manual.pdf)

The tube section has fairly complete characteristics.

These circuits can be found in the RCA Ham Tips at:

[http://n4trb.com/AmateurRadio/RCA\\_Ham\\_Tips/issues/rcahamtips0203.pdf](http://n4trb.com/AmateurRadio/RCA_Ham_Tips/issues/rcahamtips0203.pdf)

Transmitters of this sort are pretty generic. I would look at the \_Radio\_ handbook as well as the ARRL handbook from perhaps the mid to late thirties or later. There were not many transmitter construction articles printed during WW-2 since most ham activity was forbidden.

--

Richard Knoppow

Los Angeles

WB6KBL

dickburk at ix.netcom.com

From vilgotch at bigpond.net.au Thu Dec 27 01:41:12 2012  
From: vilgotch at bigpond.net.au (Morris Odell)  
Date: Thu, 27 Dec 2012 17:41:12 +1100  
Subject: [BoatAnchors] Vacuum small-signal diodes  
In-Reply-To: <8B54D58433C44D5BB666A8CC124D904B@VALUED20606295>  
References: <mailman.0.1356372000.22718.boatanchors@theporch.com>  
<D6133477EBE64A4CB734CC13C05A1974@newdualath>  
<8B54D58433C44D5BB666A8CC124D904B@VALUED20606295>  
Message-ID: <000601cde3fd\$29825210\$7c86f630\$@bigpond.net.au>

Richard Knoppow wrote:

> Reduced filament voltage has also been used to produce  
> a "starved" diode for use as a noise source, I am not sure  
> of the theory of this. I have a dim memory of some other  
> applications. Perhaps extending the region where a diode has  
> square-law response.

Those noise diodes such as the 5722 have a pure tungsten filament and are operated in the temperature limited region where there is no space charge and all the electrons emitted are sucked directly to the plate. Under those conditions the shot noise that's generated by the irregular emission can be calculated and used as a calibrated source. I built one of those once and it worked very nicely to help design 2M front ends. You can determine noise figure directly just knowing the plate current and the system impedance. The diode operates with a fixed plate voltage and you control the plate current by varying the filament current.

A blast from the past indeed!

73 to all

Morris VK3DOC

From hbreuer at debitel.net Thu Dec 27 06:23:07 2012  
From: hbreuer at debitel.net (Heinz Breuer)  
Date: Thu, 27 Dec 2012 12:23:07 +0100  
Subject: [BoatAnchors] A bit off topic: WTD HP-8554 spectrum analyzer plugin  
Message-ID: <50DC2F9B.4090806@debitel.net>

Hello,  
I am looking for a HP-8554 rf plugin for my 141T spectrum analyzer. I also need the HP-8444 tracking generator.  
This is needed for boatanchor service.

I already have the HP-8353 which goes to 110 MHz with its HP-8443 tracking generator.  
vy 73 Heinz DH2FA, KM5VT

From kd5byb at kd5byb.net Thu Dec 27 08:52:33 2012  
From: kd5byb at kd5byb.net (Ben Hall)  
Date: Thu, 27 Dec 2012 07:52:33 -0600  
Subject: [BoatAnchors] Failed 6H6's, was Re: Vacuum small-signal diodes  
In-Reply-To: <20121226235425.I08TY.83370.root@cdptpa-web36-z02.mail.rr.com>  
References: <20121226235425.I08TY.83370.root@cdptpa-web36-z02.mail.rr.com>  
Message-ID: <50DC52A1.2000505@kd5byb.net>

Good morning all,

Al's post reminded me of some bad 6H6's I came across recently. Bought a whole mess of \$1 each "grab box" tubes at the last Huntsville Hamfest that included three 6H6's.

One was just fine, but two others were low-emission per the TV-7. I marked them with the results and started to put them away. The two that were not fine seemed to light up the fuse bulb just a tad more when inserted than the good one.

So I got out my octal socket test fixture and measured the heater current.

The one that tested fine was drawing 0.3 amps, the rated heater current.

The other two that tested low emission both drew close to 0.7 amps, over twice the rated current.

Can't say I've seen this before, but then again, can't say I ever looked at heater current before either.

thanks much and 73,  
ben, kd5byb

From mike at oldaudio.net Thu Dec 27 09:47:43 2012  
From: mike at oldaudio.net (Mike Durff)  
Date: Thu, 27 Dec 2012 06:47:43 -0800 (PST)  
Subject: [BoatAnchors] Transmitter using PP 808  
Message-ID: <1356619663.6523.YahooMailNeo@web5704.biz.mail.ne1.yahoo.com>

Thanks for all the replies:?

From what I have gathered, looks like I'm about 10 years off on the date of manufacture.

Probably late 30's or early 40's. I have bound QST going back to 1935 or so. I 'll

do more searching when I get this rig  
on the bench...or, I should say on the floor of the shop?  
TNX MD

From WA5CAB at cs.com Thu Dec 27 10:59:47 2012  
From: WA5CAB at cs.com (WA5CAB at cs.com)  
Date: Thu, 27 Dec 2012 10:59:47 -0500 (EST)  
Subject: [BoatAnchors] Failed 6H6's, was Re: Vacuum small-signal diodes  
Message-ID: <34e6.3f37035.3e0dca73@cs.com>

I once had a 75TH with the same problem. The heater failed open while I was confirming that you could easily read by it. :-)

Robert D.

In a message dated 12/27/2012 08:00:58 AM Central Standard Time,  
kd5byb at kd5byb.net writes:  
> Good morning all,  
>  
> Al's post reminded me of some bad 6H6's I came across recently. Bought  
> a whole mess of \$1 each "grab box" tubes at the last Huntsville Hamfest  
> that included three 6H6's.  
>  
> One was just fine, but two others were low-emission per the TV-7. I  
> marked them with the results and started to put them away. The two that  
> were not fine seemed to light up the fuse bulb just a tad more when  
> inserted than the good one.  
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> So I got out my octal socket test fixture and measured the heater current.  
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>  
> The other two that tested low emission both drew close to 0.7 amps, over  
> twice the rated current.  
>  
> Can't say I've seen this before, but then again, can't say I ever looked  
> at heater current before either.  
>  
> thanks much and 73,  
> ben, kd5byb

Robert Downs - Houston  
wa5cab dot com (Web Store)  
MVPA 9480

From wb3fau55 at neo.rr.com Thu Dec 27 11:56:53 2012  
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)



Date: Thu, 27 Dec 2012 11:56:53 -0500  
Subject: [BoatAnchors] Vacuum small-signal diodes  
In-Reply-To: <000601cde3fd\$29825210\$7c86f630\$@bigpond.net.au>  
Message-ID: <20121227165653.2IA7V.85911.root@cdptpa-web36-z02.mail.rr.com>

Holy space charge, Batman! cool stuff Mr Odell.

---- Morris Odell <vilgotch at bigpond.net.au> wrote:

> Richard Knoppow wrote:

>

> > Reduced filament voltage has also been used to produce  
> > a "starved" diode for use as a noise source, I am not sure  
> > of the theory of this. I have a dim memory of some other  
> > applications. Perhaps extending the region where a diode has  
> > square-law response.

>

> Those noise diodes such as the 5722 have a pure tungsten filament and are  
> operated in the temperature limited region where there is no space charge  
> and all the electrons emitted are sucked directly to the plate. Under those  
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> calculated and used as a calibrated source. I built one of those once and it  
> worked very nicely to help design 2M front ends. You can determine noise  
> figure directly just knowing the plate current and the system impedance. The  
> diode operates with a fixed plate voltage and you control the plate current  
> by varying the filament current.

>

> A blast from the past indeed!

>

> 73 to all

>

> Morris VK3D0C

>

>

> -----  
> BoatAnchors mailing list  
> BoatAnchors at theporch.com  
> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb3fau55 at neo.rr.com Thu Dec 27 13:05:19 2012  
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)  
Date: Thu, 27 Dec 2012 13:05:19 -0500  
Subject: [BoatAnchors] Transmitter using PP 808  
In-Reply-To: <1356619663.6523.YahooMailNeo@web5704.biz.mail.ne1.yahoo.com>  
Message-ID: <20121227180519.HDT3C.86197.root@cdptpa-web36-z02.mail.rr.com>

the 800 series of tubes, mostly made famous by RCA, most popular is the 807.  
Also 811, 813 and

others. A lot of these were used in late 30s to 50s. Many projects, in old

ARRL handbooks.

---- Mike Durff <mike at oldaudio.net> wrote:

> Thanks for all the replies:?

> From what I have gathered, looks like I'm about 10 years off on the date of manufacture.

> Probably late 30's or early 40's. I have bound QST going back to 1935 or so. I 'll do more searching when I get this rig

> on the bench...or, I should say on the floor of the shop.?

> TNX MD

> -----

> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From vilgotch at bigpond.net.au Thu Dec 27 16:11:34 2012

From: vilgotch at bigpond.net.au (Morris Odell)

Date: Fri, 28 Dec 2012 08:11:34 +1100

Subject: [BoatAnchors] Vacuum small-signal diodes

In-Reply-To: <B32D969A-9E2F-44F3-A503-DAD88B0CF9D7@earthlink.net>

References: <mailman.0.1356372000.22718.boatanchors@theporch.com>

<D6133477EBE64A4CB734CC13C05A1974@newdualath>

<8B54D58433C44D5BB666A8CC124D904B@VALUED20606295>

<000601cde3fd\$29825210\$7c86f630\$@bigpond.net.au>

<B32D969A-9E2F-44F3-A503-DAD88B0CF9D7@earthlink.net>

Message-ID: <000301cde476\$c06b6530\$41422f90\$@bigpond.net.au>

Hi Roy,

Thanks for the kind words!

Your comment about the 6D4 was the first I had ever heard of it. I looked it up and sure enough, it's a very weird tube. It's an indirectly heated argon triode thyatron and the data sheet describes it as such. But then further down it says it can be used as a noise source - the grid is strapped to the cathode and the plate fed from +250 volts through a 33K resistor. A 375 gauss magnetic field is applied with the north pole at pin 7 - the tube then produces 10 volts p-p of what looks like calibrated pink noise peaking at 1 mc and dropping off over the next decade!!

What's going on here? Does anyone on the list know why a thyatron would do this?

Now I have to find one to try it!

73, Morris VK3DOC

-----Original Message-----

From: Roy Morgan [mailto:k1lky at earthlink.net]

Sent: Friday, 28 December 2012 5:29 AM

To: Morris Odell

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

On Dec 27, 2012, at 1:41 AM, Morris Odell wrote:

>> ...

>

> Those noise diodes such as the 5722 have a pure tungsten filament and  
> are operated in the temperature limited region

Morris,

Nicely stated: clear and succinct. I admire your ability to tell the story.

I have here a General Radio noise generator of old that I assume uses such a diode ('have not checked the "archive" for the details). I seem to remember that it is supposed to work up into the HF region. Likely it would have some output at 2M, I don't know.

I do recall the method of testing for noise figure in making VHF and UHF amps and converters. If I remember right, the best tuning of the front end was not the spot of most noise, but rather the best spot for signal to noise plus signal ratio.  
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Maybe I can find someone who's got the instrument but not the head, and has been hoping for years to find the head part, which is a much more common situation.

Roy

Roy Morgan  
k1lky at earthlink.net

K1LKY Since 1958 - Keep 'em Glowing!

-----

No virus found in this message.

Checked by AVG - [www.avg.com](http://www.avg.com)

Version: 2013.0.2805 / Virus Database: 2637/5983 - Release Date: 12/24/12

From bill at iaxs.net Thu Dec 27 18:35:10 2012

From: bill at iaxs.net (Bill Hawkins)

Date: Thu, 27 Dec 2012 17:35:10 -0600

Subject: [BoatAnchors] Vacuum small-signal diodes

In-Reply-To: <000301cde476\$c06b6530\$41422f90\$@bigpond.net.au>

References: <mailman.0.1356372000.22718.boatanchors@theporch.com>

<D6133477EBE64A4CB734CC13C05A1974@newdualath><8B54D58433C44D5BB666A8CC124D904B@VALUED20606295><000601cde3fd\$29825210\$7c86f630\$@bigpond.net.au><B32D969A-9E2F-44F3-A503-DAD88B0CF9D7@earthlink.net>

<000301cde476\$c06b6530\$41422f90\$@bigpond.net.au>

Message-ID: <B15468A2DFEC4CF2874F60E8998C5BEB@system071>

Hi, all

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still have a Grason-Stadler model 455B noise generator with 6D4 and two magnets. Other tubes are a 12AT7 and a 6V6 with the obligatory 5Y3. The device was modified by someone who added a 6CM7 as a cathode follower to a 40 mfd cap to binding posts, probably to extend the low frequency range.

There is a low pass switch on the front panel showing 20 and 200 KC.

Grason-Stadler is still in the business of making classy audiometer instruments. Search for "6D4 characteristics" to find the Sylvania tube manual pages that detail operating conditions and output vs frequency. This chart shows 10,000 microvolts output, not 10 volts.

Bought it from Don Merz on this list many years ago.

Morris, unless someone says, "Oh no, don't break it up" I could send you the 6D4 and its magnet assembly. Or the whole thing, or without the heavy power transformer and choke.

Caveat - a search on Grason-Stadler finds a letter saying that their device has stopped working, and that the units in storage don't work either. Could be low gas in the tube or low magnets after so long without a keeper.

Best regards,  
Bill Hawkins

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of Morris Odell  
Sent: Thursday, December 27, 2012 3:12 PM  
To: 'Roy Morgan'; boatanchors at theporch.com  
Subject: Re: [BoatAnchors] Vacuum small-signal diodes

Hi Roy,

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Your comment about the 6D4 was the first I had ever heard of it. I looked it up and sure enough, it's a very weird tube. It's an indirectly heated argon triode thyatron and the data sheet describes it as such. But then further down it says it can be used as a noise source - the grid is strapped to the cathode and the plate fed from +250 volts through a 33K resistor. A 375 gauss magnetic field is applied with the north pole at pin 7 - the tube then produces 10 volts p-p of what looks like calibrated pink noise peaking at 1 mc and dropping off over the next decade!!

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-----Original Message-----

From: Roy Morgan [mailto:k1lky at earthlink.net]

Sent: Friday, 28 December 2012 5:29 AM  
To: Morris Odell  
Subject: Re: [BoatAnchors] Vacuum small-signal diodes

On Dec 27, 2012, at 1:41 AM, Morris Odell wrote:

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Version: 2013.0.2805 / Virus Database: 2637/5983 - Release Date:  
12/24/12

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BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From gumbear at pacbell.net Thu Dec 27 20:37:47 2012  
From: gumbear at pacbell.net (Arden Allen)  
Date: Thu, 27 Dec 2012 17:37:47 -0800  
Subject: [BoatAnchors] Vacuum small-signal diodes  
References: <mailman.0.1356372000.22718.boatanchors@theporch.com>

<D6133477EBE64A4CB734CC13C05A1974@newdualath><8B54D58433C44D5BB666A8CC124D904B@VAL  
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A503-DAD88B0CF9D7@earthlink.net>  
<000301cde476\$c06b6530\$41422f90\$@bigpond.net.au>  
Message-ID: <001001cde49b\$f7653000\$709d480c@KB6NAX>

> .....Now I have to find one to try it!

Let us know how you come up with a 350 gauss magnetic field. Would a meter magnet that the tube fits through work?

BTW, my noise source is a zener diode that I power with a lab supply. I just crank enough current through it to get plenty of noise. I use it to tune up the RF stage of cheapy SW radios where the LO gets pulled half way to Alabama when tuning the mixer grid.

Arden Allen  
KB6NAX

Adopt a shelter dog,

save an innocent life,  
and make a friend forever =:-)

From vilgotch at bigpond.net.au Thu Dec 27 21:20:41 2012  
From: vilgotch at bigpond.net.au (Morris Odell)  
Date: Fri, 28 Dec 2012 13:20:41 +1100  
Subject: [BoatAnchors] Vacuum small-signal diodes  
In-Reply-To: <B15468A2DFEC4CF2874F60E8998C5BEB@system071>  
References: <mailman.0.1356372000.22718.boatanchors@theporch.com>

<D6133477EBE64A4CB734CC13C05A1974@newdualath><8B54D58433C44D5BB666A8CC124D904B@VAL  
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Hi Bill,

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Anyway I think I'll look around for a 6D4 here and if I can't find one I'll buy one and have a play.

73, Morris

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of Bill Hawkins  
Sent: Friday, 28 December 2012 10:35 AM



To: boatanchors at theporch.com  
Subject: Re: [BoatAnchors] Vacuum small-signal diodes

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Best regards,  
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From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of Morris Odell

Sent: Thursday, December 27, 2012 3:12 PM

To: 'Roy Morgan'; boatanchors at theporch.com

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

Hi Roy,

Thanks for the kind words!

Your comment about the 6D4 was the first I had ever heard of it. I looked it up and sure enough, it's a very weird tube. It's an indirectly heated argon triode thyatron and the data sheet describes it as such. But then further down it says it can be used as a noise source - the grid is strapped to the cathode and the plate fed from +250 volts through a 33K resistor. A 375

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Sent: Friday, 28 December 2012 5:29 AM

To: Morris Odell

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

On Dec 27, 2012, at 1:41 AM, Morris Odell wrote:

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Roy Morgan  
k1lky at earthlink.net  
K1LKY Since 1958 - Keep 'em Glowing!

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No virus found in this message.  
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Version: 2013.0.2805 / Virus Database: 2637/5983 - Release Date: 12/24/12

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Version: 2013.0.2805 / Virus Database: 2637/5983 - Release Date: 12/24/12

From W4U0C at aol.com Thu Dec 27 21:25:44 2012

From: W4UOC at aol.com (W4UOC at aol.com)  
Date: Thu, 27 Dec 2012 21:25:44 -0500 (EST)  
Subject: [BoatAnchors] Hallicrafters HT-20 parts  
Message-ID: <5b39.142bffe4.3e0e5d28@aol.com>

I have recently purchased a Hallicrafters HT-20 transmitter that is complete but missing the case. Does anyone know if that case was used for any other Hallicrafters equipment. I may have to just get a small rack or cabinet but it will need to be pretty deep. The panel is 19 x 10 inches and the depth of the chassis is 16 inches.

Tom Koch - W4UOC  
8170 Habersham Waters Road  
Sandy Springs, GA 30350  
404-314-6109

From john.shriver at gmail.com Thu Dec 27 21:59:24 2012  
From: john.shriver at gmail.com (John Shriver)  
Date: Thu, 27 Dec 2012 21:59:24 -0500  
Subject: [BoatAnchors] Vacuum small-signal diodes  
In-Reply-To: <000301cde476\$c06b6530\$41422f90\$@bigpond.net.au>  
References: <mailman.0.1356372000.22718.boatanchors@theporch.com>  
<D6133477EBE64A4CB734CC13C05A1974@newdualath>  
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<000301cde476\$c06b6530\$41422f90\$@bigpond.net.au>  
Message-ID: <094A3137-AB22-4B5A-BEF7-C9F30C64518C@gmail.com>

This is also the noise source in the General Radio (GenRad) 1390-B noise generator. They sell for pretty cheap (found mine free in a discard pile), and of course they manifest the amazing GenRad workmanship. (Overbuilding. I don't know of any other test equipment vendor who used entirely custom screws.)

On Dec 27, 2012, at 4:11 PM, Morris Odell <vilgotch at bigpond.net.au> wrote:

> Hi Roy,  
>  
> Thanks for the kind words!  
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From cbmchg at comcast.net Fri Dec 28 01:14:36 2012  
From: cbmchg at comcast.net (cbmchg at comcast.net)  
Date: Fri, 28 Dec 2012 06:14:36 +0000 (UTC)  
Subject: [BoatAnchors] Vacuum small-signal diodes  
In-Reply-To: <000601cde4a1\$ef14d580\$cd3e8080\$@bigpond.net.au>  
Message-ID:  
<1730916684.1732219.1356675276881.JavaMail.root@sz0077a.emeryville.ca.mail.comcast.net>

Gentlemen -

The diode noise generator you describe was manufactured as the General Radio type 1390-A random noise generator.

I have one, for sale if anybody would like to make an offer, and the GR manual which describes theory of operation. I will scan the manual tomorrow, and post a link to it.

73 & happy new year

Chuck K7MCG (ex-N7RHU)

<http://home.comcast.net/~cbmchg/Panadaptors.html>

----- Original Message -----

From: "Morris Odell" <vilgotch at bigpond.net.au>

To: boatanchors at theporch.com

Sent: Thursday, December 27, 2012 6:20:41 PM

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

Hi Bill,

That's most interesting. I was wondering why you would need a noise gen for such low frequencies where receiver noise is not the limiting factor in radio reception but I guess there might be audio applications too. I see they were used for audiological and acoustic testing. These days they probably use zeners or pseudo-random digital methods for acoustic noise.

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BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

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No virus found in this message.  
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Version: 2013.0.2805 / Virus Database: 2637/5983 - Release Date: 12/24/12

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BoatAnchors mailing list  
BoatAnchors at theporch.com  
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From vilgotch at bigpond.net.au Fri Dec 28 02:50:55 2012  
From: vilgotch at bigpond.net.au (Morris Odell)  
Date: Fri, 28 Dec 2012 18:50:55 +1100  
Subject: [BoatAnchors] Vacuum small-signal diodes  
In-Reply-To:  
<1730916684.1732219.1356675276881.JavaMail.root@sz0077a.emeryville.ca.mail.comcast.net>  
References: <000601cde4a1\$ef14d580\$cd3e8080\$@bigpond.net.au>  
  
<1730916684.1732219.1356675276881.JavaMail.root@sz0077a.emeryville.ca.mail.comcast.net>  
Message-ID: <000001cde4d0\$118016b0\$34804410\$@bigpond.net.au>

Thanks Chuck,

After reading your post I was able to download the manual for the GR 1390-B from BAMA. It explains that the noise is generated by the gas discharge in the 6D4 and says the magnet is used to suppress oscillations and increase the noise level at high frequencies. There's a lot of interesting theory and references to journal articles that I will try to find through the university library I belong to.

It's a great instrument, and quite elaborately designed. I would love to play with one. I found a lot of two NIB 6D4s for \$11 on ebay and they are on the way down here so I can have a bit of fun trying to generate some noise J

73, Morris

From: cbmcg at comcast.net [mailto:cbmcg at comcast.net]  
Sent: Friday, 28 December 2012 5:15 PM  
To: Morris Odell  
Cc: boatanchors at theporch.com  
Subject: Re: [BoatAnchors] Vacuum small-signal diodes

Gentlemen -

The diode noise generator you describe was manufactured as the General Radio type 1390-A random noise generator.

I have one, for sale if anybody would like to make an offer, and the GR manual which describes theory of operation. I will scan the manual tomorrow, and post a link to it.

73 & happy new year  
Chuck K7MCG (ex-N7RHU)  
<http://home.comcast.net/~cbmcg/Panadaptors.html>

-----

From: "Morris Odell" <vilgotch at bigpond.net.au>  
To: boatanchors at theporch.com  
Sent: Thursday, December 27, 2012 6:20:41 PM  
Subject: Re: [BoatAnchors] Vacuum small-signal diodes

Hi Bill,

That's most interesting. I was wondering why you would need a noise gen for such low frequencies where receiver noise is not the limiting factor in radio reception but I guess there might be audio applications too. I see they were used for audiological and acoustic testing. These days they probably use zeners or pseudo-random digital methods for acoustic noise.

I don't know that shipping the whole thing is a practical proposition down to Australia but I did see some 6D4's on ebay at reasonable prices. I'm not sure how to calibrate a magnet but they are plentiful and some experimentation would be good fun. Maybe rig up an electromagnet so I can tune it for maximum noise. A pic of the setup would be nice if you can take one. I saw the 10,000 uV on the chart in the data sheet and also that it says 10 V p-p in the specs. The total output measured on a wideband AC voltmeter probably is 10V p-p but the spectral components separated out by a wave analyser would be much less depending on the resolution, hence the 10 mV on the chart.

Anyway I think I'll look around for a 6D4 here and if I can't find one I'll

buy one and have a play.

73, Morris

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of Bill Hawkins

Sent: Friday, 28 December 2012 10:35 AM

To: boatanchors at theporch.com

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

Hi, all

Most of my VT gear has been passed on so it won't be buried with me, but I still have a Grason-Stadler model 455B noise generator with 6D4 and two magnets. Other tubes are a 12AT7 and a 6V6 with the obligatory 5Y3. The device was modified by someone who added a 6CM7 as a cathode follower to a 40 mfd cap to binding posts, probably to extend the low frequency range. There is a low pass switch on the front panel showing 20 and 200 KC.

Grason-Stadler is still in the business of making classy audiometer instruments. Search for "6D4 characteristics" to find the Sylvania tube manual pages that detail operating conditions and output vs frequency. This chart shows 10,000 microvolts output, not 10 volts.

Bought it from Don Merz on this list many years ago.

Morris, unless someone says, "Oh no, don't break it up" I could send you the 6D4 and its magnet assembly. Or the whole thing, or without the heavy power transformer and choke.

Caveat - a search on Grason-Stadler finds a letter saying that their device has stopped working, and that the units in storage don't work either.

Could

be low gas in the tube or low magnets after so long without a keeper.

Best regards,

Bill Hawkins

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of Morris Odell

Sent: Thursday, December 27, 2012 3:12 PM

To: 'Roy Morgan'; boatanchors at theporch.com

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

Hi Roy,

Thanks for the kind words!

Your comment about the 6D4 was the first I had ever heard of it. I looked it up and sure enough, it's a very weird tube. It's an indirectly heated argon triode thyratron and the data sheet describes it as such. But then further down it says it can be used as a noise source - the grid is strapped to the cathode and the plate fed from +250 volts through a 33K resistor. A 375 gauss magnetic field is applied with the north pole at pin 7 - the tube then produces 10 volts p-p of what looks like calibrated pink noise peaking at 1 mc and dropping off over the next decade!!

What's going on here? Does anyone on the list know why a thyratron would do this?

Now I have to find one to try it!

73, Morris VK3DOC

-----Original Message-----

From: Roy Morgan [mailto:k1lky at earthlink.net]

Sent: Friday, 28 December 2012 5:29 AM

To: Morris Odell

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

On Dec 27, 2012, at 1:41 AM, Morris Odell wrote:

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> Those noise diodes such as the 5722 have a pure tungsten filament and  
> are operated in the temperature limited region

Morris,

Nicely stated: clear and succinct. I admire your ability to tell the story.

I have here a General Radio noise generator of old that I assume uses such a

diode ('have not checked the "archive" for the details). I seem to remember that it is supposed to work up into the HF region. Likely it would have some output at 2M, I don't know.

I do recall the method of testing for noise figure in making VHF and UHF

amps and converters. If I remember right, the best tuning of the front end was not the spot of most noise, but rather the best spot for signal to noise plus signal ratio.  
(pause to see info/manuals)

Yes the GR 1390 goes from very low audio up to about 5 mc. It uses a 6D4 tube with a magnet across it. Meant for audio/acoustics work, not RF range. I think this is what I have here, an early black faced version.

I do have an HP noise generator head that has N connectors, but it's instrument is missing. No doubt it is meant for VHF to microwave perhaps.  
Never did dope it out. Likely it has a vacuum tube noise source or some such.

Maybe I can find someone who's got the instrument but not the head, and has been hoping for years to find the head part, which is a much more common situation.

Roy

Roy Morgan  
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K1LKY Since 1958 - Keep 'em Glowing!

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Version: 2013.0.2805 / Virus Database: 2637/5983 - Release Date: 12/24/12

From cbmchg at comcast.net Fri Dec 28 06:34:37 2012

From: cbmchg at comcast.net (cbmchg at comcast.net)

Date: Fri, 28 Dec 2012 11:34:37 +0000 (UTC)

Subject: [BoatAnchors] Vacuum small-signal diodes

In-Reply-To: <000001cde4d0\$118016b0\$34804410\$@bigpond.net.au>

Message-ID:

<1389190184.1733516.1356694477965.JavaMail.root@sz0077a.emeryville.ca.mail.comcast.net>

Morris -

Thank you, I didn't realize that the GR archive had been added to BAMA. I won't need to scan mine, unless somebody needs the -A version. My ancient black-cased 1390A remains available for \$20 plus shipping if anybody wants it.

--73 & Happy New Year

--Chuck K7MCG

----- Original Message -----

From: "Morris Odell" <[vilgotch@bigpond.net.au](mailto:vilgotch@bigpond.net.au)>

To: [boatanchors@theporch.com](mailto:boatanchors@theporch.com)

Sent: Thursday, December 27, 2012 11:50:55 PM

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

Thanks Chuck,

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Cc: boatanchors at theporch.com  
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Morris Odell

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To: 'Roy Morgan'; boatanchors at theporch.com

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To: Morris Odell

Subject: Re: [BoatAnchors] Vacuum small-signal diodes

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BoatAnchors at theporch.com

<https://minime.theporch.com/mailman/listinfo/boatanchors>

From gumbear at pacbell.net Fri Dec 28 08:03:36 2012

From: gumbear at pacbell.net (Arden Allen)

Date: Fri, 28 Dec 2012 05:03:36 -0800

Subject: [BoatAnchors] Vacuum small-signal diodes

References: <mailman.0.1356372000.22718.boatanchors@theporch.com>

<D6133477EBE64A4CB734CC13C05A1974@newdualath><8B54D58433C44D5BB666A8CC124D904B@VALUED20606295><000601cde3fd\$29825210\$7c86f630\$@bigpond.net.au><B32D969A-9E2F-44F3-A503-DAD88B0CF9D7@earthlink.net>  
<000301cde476\$c06b6530\$41422f90\$@bigpond.net.au><B15468A2DFEC4CF2874F60E8998C5BEB@system071>

<000601cde4a1\$ef14d580\$cd3e8080\$@bigpond.net.au>

Message-ID: <003d01cde4fb\$e21c6b90\$6a9d480c@KB6NAX>

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I'm sure you know, Morris, of some audio spectrum uses for broadband noise but I'll mention a couple I'm familiar with. Concert hall acoustics studies looking for reflections that favor different frequencies that can be detrimental to audience enjoyment of music; the location of dead or peak spots that can drive audience members nuts. Also low, high, bandpass, etc. filter shapes, how adaptive filters respond to amplitude levels. I'm no expert on the subject, there are no doubt loads of other audio and below RF uses for noise.

Arden Allen  
KB6NAX

From jerry7proc at yahoo.com Fri Dec 28 10:26:48 2012  
From: jerry7proc at yahoo.com (Jerry Proc)  
Date: Fri, 28 Dec 2012 07:26:48 -0800 (PST)  
Subject: [BoatAnchors] Canadian Marconi CSR5A Receiver For Sale.  
Message-ID: <1356708408.88581.YahooMailNeo@web121101.mail.ne1.yahoo.com>

?  
Hello Everyone,  
?  
I am selling a Canadian Marconi CSR5A LF/HF receiver in working order for \$150 . This receiver type was used by the Royal Canadian Navy in both shipborne? and shore station roles from about 1943 to the late 1960's.  
?  
It includes a neatly built, home-brew power supply,? side mounting brackets and four rubber shock mounts. There is no speaker included. This is how the CSR5A? would have looked in a shipborne configuration.  
?  
?See photo at: <http://jproc.ca/temp/csr5a.jpg>  
?  
An on-line manual and docs showing some CSR5 history are available at:  
<http://www.jproc.ca/marconi/csr5a.html>  
?  
If interested call Jerry at 416 249-0261.  
\*\*LOCAL PICKUP ONLY \*\*?

--  
Regards,  
Jerry Proc

E-mail: jerry7proc at yahoo.com

From 1oldlens1 at ix.netcom.com Fri Dec 28 13:05:46 2012  
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)  
Date: Fri, 28 Dec 2012 10:05:46 -0800  
Subject: [BoatAnchors] Vacuum small-signal diodes  
References: <mailman.0.1356372000.22718.boatanchors@theporch.com>

<D6133477EBE64A4CB734CC13C05A1974@newdualath><8B54D58433C44D5BB666A8CC124D904B@VALUED20606295><000601cde3fd\$29825210\$7c86f630\$@bigpond.net.au><B32D969A-9E2F-44F3-A503-DAD88B0CF9D7@earthlink.net>  
<000301cde476\$c06b6530\$41422f90\$@bigpond.net.au><B15468A2DFEC4CF2874F60E8998C5BEB@system071><000601cde4a1\$ef14d580\$cd3e8080\$@bigpond.net.au>  
<003d01cde4fb\$e21c6b90\$6a9d480c@KB6NAX>  
Message-ID: <0B220456235C41078D49EC1F1D940EE2@VALUED20606295>

----- Original Message -----

From: "Arden Allen" <gumbear at pacbell.net>  
To: "Morris Odell" <vilgotch at bigpond.net.au>;  
<boatanchors at theporch.com>  
Sent: Friday, December 28, 2012 5:03 AM  
Subject: Re: [BoatAnchors] Vacuum small-signal diodes

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> Arden Allen

> KB6NAX

White noise and pink noise are used for many acoustical tests. For use with a constant-percentage-bandwidth analyzer, like a 1/3 octave analyzer, one needs pink noise. This is random noise put through a 3db/octave filter. GR made such a filter for use with the 1390. Because 3db/octave voltage can not be obtained with any simple filter these filters can be quite complex. The difference is that white noise is constant energy per cycle while pink noise is constant energy per percentage bandwidth.

Also, there is a GR Historical Society with many downloadable handbooks. The link is at BAMA.

--

Richard Knoppow  
Los Angeles  
WB6KBL  
dickburk at ix.netcom.com